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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/056,271	01/23/2002	Gary R. Janik	KLA-003	8560	
	7590 01/03/200 MAN & HARMS, LLF	EXAMINER			
TRI-VALLEY	OFFICE		STOCK JR, GORDON J		
1432 CONCANNON BLVD., BLDG. G LIVERMORE, CA 94550			ART UNIT	PAPER NUMBER	
,			2877	2877	
SHORTENED STATUTORY	Y PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE		
3 MONTHS		01/03/2007	PAPER		

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

	Application No.	Applicant(s)			
	10/056,271	JANIK ET AL.			
Office Action Summary	Examiner	Art Unit			
	Gordon J. Stock	2877			
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply					
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w. - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim vill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	J. lety filed the mailing date of this communication. D (35 U.S.C. § 133).			
Status	•				
1) Responsive to communication(s) filed on appear	Responsive to communication(s) filed on appeal brief filed 10/10/06.				
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closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims					
 4) Claim(s) 1,8-21,24,27,33-37,41,43,44,47,51 and 52 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) 1,8-21,24,41,43,44 and 47 is/are allowed. 6) Claim(s) 27,33-37 and 52 is/are rejected. 7) Claim(s) 51 is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement. 					
Application Papers					
9) The specification is objected to by the Examine 10) The drawing(s) filed on 26 September 2004 is/a Applicant may not request that any objection to the case of	are: a)⊠ accepted or b)⊡ objecd drawing(s) be held in abeyance. See ion is required if the drawing(s) is obj	e 37 CFR 1.85(a). ected to. See 37 CFR 1.121(d).			
Priority under 35 U.S.C. § 119					
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 					
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Attachment(s)	" 	(070, 440)			
 Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 	4)				

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DETAILED ACTION

1. Upon further consideration of the claims, a rejection under 35 U.S.C. 101 has been made to claims 27, 33-37, and 52. Subsequently, the final rejection mailed May 17, 2006 (paper 20060509) has been withdrawn. The following action is in response to Appeal Brief filed October 10, 2006.

Claim Objections

2. Claim 51 is objected to for the following: on line 8 'small are is vaporized' should read -small area is vaporized-. Correction is required.

Claim Rejections - 35 USC § 101

3. 35 U.S.C. 101 reads as follows:

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

4. Claims 27, 33-37, and 52 are rejected under 35 U.S.C. 101 because the claimed invention is directed to non-statutory subject matter.

Claims 27, 33-37, and 52 are directed to a judicial exception; as such, pursuant to the Interim Guidelines on Patent Eligible Subject Matter (MPEP 2106), the claims must have either physical transformation and/or a useful, concrete and tangible result. The claims fail to include transformation from one physical state to another. Although, the claims appear useful and concrete, there does not appear to be a tangible result claimed. Merely 'performing at least one of single ... analysis on the thin film (the performing an analysis step which is an abstract idea without a tangible result of claim 27); performing at least one of single ... analysis on the thin film (the performing an analysis step which is an abstract idea without a tangible result of claim 37); measuring the thin film comprising performing an analysis (the measuring step which is an

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abstract idea without a tangible result of claim 52) 'would not appear to be sufficient to constitute a tangible result, since the outcome of the performing an analysis/measuring step has not been used in a disclosed practical application nor made available in such a manner that its usefulness in a disclosed practical application can be realized. As such, the subject matter of the claims is not patent eligible. Claims 33-36 are rejected for depending upon a rejected base claim; wherein claims 33-36 further limiting of the parent claim still does not have a tangible result.

Allowable Subject Matter

5. Claims 1, 8-21, 24, 41, 43, 44, and 47 are allowed over the prior art of record.

Claims 27, 33-37, 51, and 52 would be allowable over the prior art of record if rewritten to overcome the rejection under 35 U.S.C. 101 and objections above.

As to claim 1, the prior art of record, taken alone or in combination, fails to disclose or render obvious in a thin film analysis system the particular energy beam source being configured to heat only a small area of the contaminant layer until the small area is vaporized and the particular thin film analysis module, in combination with the rest of the limitations of claims 1, 8-21, and 24. In addition, Elliott (5,669,979) fails to teach a thin film analysis system comprising the particular thin film analysis module (Elliot teaches a surface cleaning station comprising a cleaning monitor and illuminating source: Fig. 15 (520, 518)). In addition, see applicant's arguments on pages 13-14 in Appeal Brief filed October 10, 2006.

As to claim 27, please see applicant's arguments from line 9 of page 14 to line 12 of page 16 in Appeal Brief filed on October 10, 2006. Claims 33-37 are allowable by virtue of dependency on allowed claim 27.

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As to claim 41, the prior art of record, taken alone or in combination, fails to disclose or render obvious in a thin film analysis system means for performing analyzing a test sample means for directing an energy beam at the contaminant layer, in combination with the rest of the limitations of claims 41, 43, 44, and 47. In addition, Elliott (5,669,979) fails to teach a thin film analysis system comprising the means for directing an energy beam and means for performing analysis on the thin film (Elliot teaches a surface cleaning station comprising a cleaning monitor and illuminating source (Fig. 15: 520, 518). In addition, see applicant's arguments on page 16 line 17 to page 17 line 6.

As to claims 51 and 52, please see applicant's arguments on pages 18-19 in Appeal Brief filed on October 10, 2006.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's 6. disclosure:

U.S. Patent 4,588,885 to Lovoi et al.

U.S. Patent 5,281,798 to Hamm et al.

U.S. Patent 5,204,517 to Cates et al.

U.S. Patent 5,814,165 to Tatah et al.

U.S. Patent 6,930,771 to Rosencwaig et al. (specifically, Fig. 1: 24, 20)

U.S. Patent 7,006,222 to Krishman

U.S. Patent 7,110,113 to Janik et al.

Fax/Telephone Numbers

If the applicant wishes to send a fax dealing with either a proposed amendment or a discussion with a phone interview, then the fax should:

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1) Contain either a statement "DRAFT" or "PROPOSED AMENDMENT" on the fax

cover sheet; and

2) Should be unsigned by the attorney or agent.

This will ensure that it will not be entered into the case and will be forwarded to the examiner as

quickly as possible.

Papers related to the application may be submitted to Group 2800 by Fax transmission. Papers should be faxed to Group 2800 via the PTO Fax machine located in Crystal Plaza 4. The form of such papers must conform to the notice published in the Official Gazette, 1096 OG 30

(November 15, 1989). The CP4 Fax Machine number is: (571) 273-8300

Any inquiry concerning this communication or earlier communications from the examiner

should be directed to Gordon J. Stock whose telephone number is (571) 272-2431.

The examiner can normally be reached on Monday-Friday, 10:00 a.m. - 6:30 p.m.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Gregory J. Toatley, Jr., can be reached at 571-272-2800 ext 77.

Information regarding the status of an application may be obtained from the Patent

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December 16, 2006

uporvisory Patent Examiner

Gregory J, Toetley, Jr.